

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Joshua B. Gahm</td> <td>05/14/2013</td> </tr> <tr> <td>Eric Cunningham</td> <td>05/14/2013</td> </tr> <tr> <td>Ali C. Begen</td> <td>05/14/2013</td> </tr> <tr> <td>Daivd R. Oran</td> <td>05/14/2013</td> </tr> </tbody> </table>		Name	Execution Date	Joshua B. Gahm	05/14/2013	Eric Cunningham	05/14/2013	Ali C. Begen	05/14/2013	Daivd R. Oran	05/14/2013
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Eric Cunningham	05/14/2013										
Ali C. Begen	05/14/2013										
Daivd R. Oran	05/14/2013										
RECEIVING PARTY DATA											
Name:	Cisco Technology, Inc.										
Street Address:	170 West Tasman Drive										
City:	San Jose										
State/Country:	CALIFORNIA										
Postal Code:	95134-1706										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13895822</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13895822						
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Application Number:	13895822										
CORRESPONDENCE DATA											
Fax Number:	3017624056										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	301-424-3640										
Email:	alc@usiplaw.com										
Correspondent Name:	Andrew J. Aldag										
Address Line 1:	9801 Washingtonian Blvd.										
Address Line 2:	Suite 750										
Address Line 4:	Gaithersburg, MARYLAND 20878										
ATTORNEY DOCKET NUMBER:	0370.1493C										
NAME OF SUBMITTER:	Andrew J. Aldag										
Signature:	/Andrew J. Aldag/										

OP \$40.00 13895822

PATENT

Date:

05/16/2013

Total Attachments: 4

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ASSIGNMENT

For good and valuable consideration, WE, Joshua B. Gahm, a citizen of the United States, residing at 55 Washington Park, Newtonville, MA 02460; Eric Cunningham, a citizen of the United States, residing at 1414 Massachusetts Ave, Boxborough, MA 01719; Ali C. Begen, a citizen of Turkey, residing at 613-1985 Richmond Street, London, ON N5X0A6 Canada and David R. Oran, a citizen of the United States, residing at 7 Ladyslipper Lane, Acton, MA 01720, hereinafter individually or collectively referred to as "Assignor";

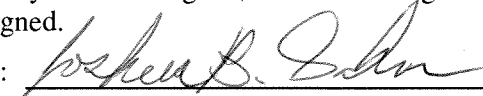
Hereby sell, assign and transfer to **Cisco Technology, Inc.**, a corporation organized and existing under the laws of California, having its principal place of business at 170 West Tasman Drive, San Jose, California 95134-1706, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned and

entitled: **ENHANCING PERFORMANCE OF RAPID CHANNEL CHANGES AND OTHER PLAYBACK POSITIONING CHANGES IN ADAPTIVE STREAMING**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

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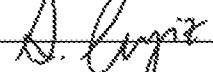
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SIGNATURE: DR. O DATE: May 14, 2013
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